

transmission element and at least one reception element are arranged facing one another, the sclera lying between the transmission and reception elements.

9. (New) The retinal implant according to Claim 7, wherein the signal path comprises a galvanic connection which passes through the sclera.

10. (New) The retinal implant according to Claim 9, wherein the galvanic connection comprises mutually complementary contact elements that are arranged for being connectable after implantation.

11. (New) The retinal implant according to Claim 10, wherein the mutually complementary contact elements are further arranged for being disconnectable after implantation.

12. (New) The retinal implant according to Claim 1, wherein the signal path comprises:  
an electrical cable; and  
a cannula, arranged for being inserted through the sclera, through which the electrical cable is fed.

13. (New) The retinal implant according Claim 1, wherein said at least one external functional unit comprises:

a functional unit designed to carry out signal processing functions.

14. (New) The retinal implant according to Claim 1, wherein said at least one external functional unit comprises:

a first external functional unit for being disposed outside the eye socket; and

a second external functional unit for being disposed within the eye socket but outside the eye, the second external functional unit being connected to the at least one internal functional unit by means of the signal path.

15. (New) The retinal implant according to Claim 14, further comprising:

a second signal path for connecting the first external functional unit to the second external functional unit.

16. (New) The retinal implant according to Claim 15, wherein the second signal path comprises a wireless signal path.

17. (New) The retinal implant according to Claim 15, wherein the second signal path comprises:

a primary coil coupled to the first external functional unit; and

a secondary coil coupled to the second external functional unit.

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